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Cc: [Crossland, Ronnie](#); [Smith, Monica](#)
Subject: Draft ITC update info you requested -- 04/01/2019
Date: Monday, April 01, 2019 6:18:00 AM

- EPA continues to participate in Unified Command with TCEQ, Harris County Pollution Control Services, and ITC.
- At approximately 2:00 am on April 1, Dow Chemical reported they had sheltered their facility due to elevated benzene readings; just slightly over 1.0 ppm benzene detected. At 1:30 pm on March 31, Nouryon Facility (730 Independence Parkway) (lifted at 6:00 pm) and Geo Specialty Chemicals (739 Independence Parkway) self-sheltered in place (lifted at 5:00 pm).
- The Executive Director of the TCEQ (Toby Baker), as well as the Commander of the USCG 8th District (Paul Thomas), and acting EPA Regional Administrator David Gray will be visiting the site on Monday, April 1. EPA has coordinated with the On-Scene Coordinator and the Joint Information Center of the visit / itinerary.
- An additional 57,000-barrel liquid waste collection barge arrived on March 31. This barge will be in addition to the existing two 30,000-barrel barges currently in use.
- The Harris County Fire Marshal's Office will begin their fire investigation on April 2. They will control access to the tank farm but operations to remove product and waste from the tank farm and secondary containment area will continue.
- Pumping of Tank 11 stopped at approximately 4:00 pm on March 31 until additional storage capacity is secured.
- Foaming of the secondary containment to prevent reignition and reduce emissions continues as necessary.
- Several entities including Texas Commission on Environmental Quality (TCEQ), EPA, and ITC continue to conduct air monitoring around the tank farm, in adjoining industrial areas, and communities downwind from the facility.
- ITC continued air monitoring on March 31 (midnight to midnight); there were 2,238 VOC readings (476 detections) with and 2,238 benzene readings (516 detections).
- EPA continued mobile air monitoring on March 31 (24 hour) at 41 locations. There were 25 detections, with 1 detection above the action level noted.
- ASPECT conducted flight 16 on March 31; all structures in the tank farm. were found to be at ambient temperature. Infrared and photographic data collected over the confluence area indicated that product continues to be present in the boom network with some leakage observed pushed against the ship channel boom. No compound detections were observed on this mission.
- EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on March 31, 2019. TAGA analyzed air samples for benzene, toluene and xylene down wind of the site.
- No EPA surface water sampling was conducted on March 31 due to weather conditions. Sampling will resume on Monday, April 1.
- TCEQ continued handheld air monitoring on March 31 from 12:00 am to 10:00; approximately 163 readings were taken. No readings above the Unified Command action level were detected.
- Vacuum truck operations at Tucker Bayou and the outfall ditch continue on 24 hour basis.
- As of 6:00 pm on Sunday, March 31:
 - 116,400 feet of boom deployed
 - 62,577 bbl of product/water recovered from water operations
 - 69,958 bbl of product/water recovered from tank farm
 - Approximately 460,000 gallons of foam concentrate used for fire-fighting/suppression and emission suppression
 - 969 people working on-scene (field, command post)

Tank Status as 3:00 am on April 1, 2019

Tank #		Original Volume	Updated Volume	Flow rate	Transfer Method	Status	Notes
80 – 1	Base Oil	48,713 bbls	4,522 bbls			Standby	
80 – 2	Gasoline Blendstock	38,451 bbls	0 bbls			Complete	
80 – 3	Gasoline Blendstock	33,200 bbls	0 bbls			Complete	
80 – 4	Base Oil	34,808 bbls	7,393 bbls			Standby	
80 – 5	Xylenes	35,502 bbls	6,529 bbls			Standby	
80 – 6	Gasoline Blendstock	48,147 bbls	n/a			Standby	

80 - 7	Py Gas	42,680 bbls	Empty			Complete	
80 - 8	Naptha	69,482 bbls	9,072 bbls			Standby	
80 - 9	EMPTY	Empty	Empty			Standby	
80 - 10	Py Gas	14,294 bbls	2,207 bbls			Complete	
80 - 11	Base Oil	51,741 bbls	31,559 bbls			Standby	
80 - 12	EMPTY	Empty	Empty			Complete	
80 - 13	Toluene	13,854 bbls	0 bbls			Complete	
80 - 14	Py Gas	13,837 bbls	0 bbls		Inline System	Complete	
80 - 15	Py Gas	9,354 bbls	0 bbls			Complete	

With Regards, Steve



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"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."